

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
13 January 2005 (13.01.2005)

PCT

(10) International Publication Number  
**WO 2005/003393 A2**

(51) International Patent Classification<sup>7</sup>: **C12Q 1/68**  
(21) International Application Number:  
PCT/NL2004/000471  
(22) International Filing Date: 2 July 2004 (02.07.2004)  
(25) Filing Language: English  
(26) Publication Language: English  
(30) Priority Data:  
PCT/NL03/00486 2 July 2003 (02.07.2003) NL

(71) Applicant (for all designated States except US): **KEY-GENE N.V.** [NL/NL]; Agro Business Park 90, NL-6708 PW Wageningen (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **DIRKS, Robert, Helene, Ghislain** [BE/NL]; Lollestraat 16, NL-4731 GL Oudembosch (NL). **VOGELAAR, Arie** [NL/NL]; Wittenstein 90, NL-3328 MS Dordrecht (NL). **VAN ELJK, Michael, Josephus, Theresia** [NL/NL]; Pastoor Strijboschstraat 12, NL-5373 EJ Herpen (NL). **HOGERS, René, Cornelis, Josephus** [NL/NL]; Aalbeek 38, NL-6715 GR Ede (NL).

(74) Agent: **VAN WESTENBRUGGE, Andries et al**; Nederlandsch Octrooibureau, Scheveningseweg 82, P.O. Box 29720, NL-2502 LS The Hague (NL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **SPLICE SITE AFLP**

(57) Abstract: The present invention pertains to the use of splice site-specific primers for increasing the informational content of AFLP fingerprints and to a method for splice site specific fingerprinting and to a method for targeting genic regions based on conserved splice sites sequences. The invention further describes the conversion into a PCR assay of the splice site-specific fragments obtained by the method of the invention.



**WO 2005/003393 A2**